

VU Research Portal

The Long Shadow of Very Preterm Birth

Twilhaar, E.S.

2019

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Twilhaar, E. S. (2019). *The Long Shadow of Very Preterm Birth: Towards an understanding of the nature, predictors, and underlying mechanisms of neurodevelopmental impairments in adolescents born very preterm*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

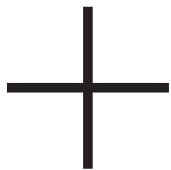
- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl



About the Author

BIOGRAPHY

Sabrina Twilhaar (1988) was born and raised in Hellendoorn, the Netherlands. In 2007, she started her studies at Utrecht University. She obtained a bachelor's degree in Psychology with a specialization in Child and Adolescent Psychology in 2010 and a master's degree in Child and Adolescent Psychology from the same university in 2012. As part of this master's program, she completed a clinical internship at Karakter Child and Adolescent Psychiatry in Zwolle. For her master thesis, she stayed in a rural region in South Africa for 7 months to conduct research on the efficacy of a motor intervention for children with cerebral palsy in a residential children's home in Bronkhorstspuit. Her interest and passion for research made her decide to apply for a 2-years research master program in Cognitive and Clinical Neuroscience at Maastricht University. She was selected and after two years, in 2014, she obtained her research master's degree in Cognitive and Clinical Neuroscience with a specialization in Neuropsychology. During her study in Maastricht, she worked as a research assistant on projects on cerebro-vascular accident, mild traumatic brain injury, and ADHD. In addition, she conducted a research internship at the Emma Children's Hospital in Amsterdam, where she wrote her thesis on computerized executive function training for very preterm born children. In 2014, she started her PhD at the Vrije Universiteit Amsterdam under supervision of prof. dr. Jaap Oosterlaan, prof. dr. Ruurd van Elburg, and dr. Jorrit de Kieviet. In April 2019, she started working as a researcher at the Emma Children's Hospital in Amsterdam. Currently, Sabrina works as a postdoctoral researcher at Inserm in Paris, where she is involved in the French national Epipage 2 cohort study.

PUBLICATION LIST

- Twilhaar ES, Belopolsky AV, de Kieviet JF, van Elburg RM, Oosterlaan J. Voluntary and involuntary control of attention in very preterm born adolescents: a study of eye movements. *Child Dev.* 2019; in press.
- Twilhaar ES, de Kieviet JF, Bergwerff CE, Finken MJJ, van Elburg RM, Oosterlaan J. Social adjustment in adolescents born very preterm: evidence for a cognitive basis of social problems. *J Pediatr.* 2019; in press.
- Twilhaar ES, de Kieviet JF, van Elburg RM, Oosterlaan J. Neurocognitive processes underlying academic impairments in very preterm born adolescents. *Child Neuropsychol.* 2019. [ePub ahead of print]
- Twilhaar ES, de Kieviet JF, van Elburg RM, Oosterlaan J. Implicit learning abilities in adolescents born very preterm. *Dev Neuropsychol.* 2019; 44: 357–367.
- Twilhaar ES, Janssen TWP, de Kieviet JF, van Elburg RM, Oosterlaan J. EEG profiles and associated neurodevelopmental outcomes after very preterm birth. *Clin Neurophysiol.* 2019; 130: 1166–1171.
- Twilhaar ES, de Kieviet JF, van Elburg RM, Oosterlaan J. Academic trajectories of very preterm born children at school age. *Arch Dis Child Fetal Neonatal.* 2019; 104: F419–F423.
- Aarnoudse-Moens CSH, Twilhaar ES, Oosterlaan J, van Veen HG, Prins PJM, van Kaam AHL, van Wassenae-Leemhuis AG. Executive function computerized training in very preterm-born children: a pilot study. *Games Health J.* 2018; 7: 175–181.
- Twilhaar ES, van Elburg RM, Oosterlaan J. Need for further analysis in cognitive outcomes of children born preterm — Reply. *JAMA Pediatr.* 2018; 172: 889–890.
- Twilhaar ES, de Kieviet JF, van Goudoever JB, van Elburg RM, Oosterlaan J. Cognitive outcomes of children born extremely or very preterm since the 1990s and associated risk factors: a meta-analysis and meta-regression. *JAMA Pediatr.* 2018; 172: 361–367.
- Twilhaar ES, de Kieviet JF, Oosterlaan J, van Elburg RM. A randomised trial of enteral glutamine supplementation for very preterm children showed no beneficial or adverse long-term neurodevelopmental outcomes.

Acta Paediatr. 2018; 107: 593–599.

- Twilhaar ES, de Kieviet JF, Aarnoudse-Moens CSH, van Elburg RM, Oosterlaan J. Academic performance of children born preterm: a meta-analysis and meta-regression. *Arch Dis Child Fetal Neonatal.* 2018; 103: F222–F330.
- Twilhaar ES, van Beek Y, Magyarszky Z. *Evaluation of a conductive education intervention for children with profound multiple disabilities in a residential home in South Africa.* In: Vermeer A, Magyarszky Z, editors. *Disability care in Africa: Community-based rehabilitation in rural regions.* Amsterdam: VU Press; 2014. p. 139–186.

Conferences

- 3rd Congress of joint European Neonatal Societies (jENS), 2019, Maastricht, the Netherlands (*oral presentation, nominee Young Investigators Prize*)
- Congress of the Dutch Society for Pediatrics, 2019, Arnhem, the Netherlands (*oral presentation*)
- 7th Congress of the European Academy of Paediatric Societies (EAPS), 2018, Paris, France (*oral and poster presentation*)
- Amsterdam Kinder Symposium, 2015–2018, Amsterdam, the Netherlands (*oral presentation*)
- 10th World Congress of Developmental Origins of Health and Disease (DOHaD), 2017, Rotterdam, the Netherlands (*poster presentation*)
- Landelijke Neonatale Follow-up (LNF) symposium, 2017, Leiden, the Netherlands (*oral presentation*)
- 6th Congress of the European Academy of Paediatric Societies (EAPS), 2016, Geneva, Switzerland (*oral presentation*)
- 6th Congress of the Union of European Neonatal and Perinatal Society (UENPS), 2016, Valencia, Spain (*poster presentation*)
- Symposium “Attention capacities in young children”, 2015, Utrecht, the Netherlands (*oral presentation*)

Teaching experience

Research master course

- Practical Skills for Researchers, 2016–2018 (*supervision of 6 students*)

Master course

- Master thesis, 2015–2018 (*supervision of 7 students*)

Bachelor courses

- Neuropsychological assessment, 2014–2017 (*practical lectures, tutor groups*)
- Pediatric Neuropsychology, 2016–2019 (*EEG workshops*)
- Bachelor thesis, 2014–2017 (*supervision of 7 students*)